

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
 Data File : VL034344.D
 Acq On : 24 Oct 2019 13:01
 Operator : SY/AP
 Sample : VL1024ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1024ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:43:03 AM

Quant Time: Oct 25 01:47:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1107109	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2236559	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2436040	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1941808	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	1864322	9.768	ppbv	98
3) Chlorodifluoromethane	2.96	51	1122965	8.654	ppbv	100
4) Chloromethane	3.12	50	680816	8.870	ppbv	99
5) Vinyl Chloride	3.24	62	628814	8.591	ppbv	98
6) Bromomethane	3.46	94	332435	9.276	ppbv	96
7) Chloroethane	3.54	64	228895	8.886	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1444834	8.736	ppbv	98
9) Propene	2.99	41	515531	8.962	ppbv	98
10) Heptane	8.16	43	1410624	9.554	ppbv	99
11) Trichlorofluoromethane	3.94	101	1617147	8.924	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1093035	9.207	ppbv	99
13) Ethanol	3.59	45	85981	6.676	ppbv	98
14) Bromoethene	3.73	108	443120	9.480	ppbv	97
15) Acetone	3.84	43	1204226	7.605	ppbv	99
16) 1,3-Butadiene	3.31	39	589125	9.156	ppbv	98
17) tert-Butyl alcohol	4.29	59	838295	8.294	ppbv	100
18) 1,1-Dichloroethene	4.29	96	484428	9.320	ppbv	99
19) Isopropyl Alcohol	3.96	45	680260	7.701	ppbv #	99
20) Methylene Chloride	4.34	84	435872	7.614	ppbv	96
21) Allyl Chloride	4.41	41	838016	9.573	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	496557	9.577	ppbv	99
23) Vinyl Acetate	5.08	43	1837553	9.292	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1314843	8.959	ppbv	99
25) Ethyl Acetate	5.69	43	2347539	8.781	ppbv	99
26) Hexane	5.70	57	1020557	8.956	ppbv	98
27) Carbon Disulfide	4.55	76	1257061	10.626	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1670783	9.688	ppbv	99
29) Chloroform	5.77	83	1622635	9.002	ppbv	99
30) Cyclohexane	7.16	84	814746	9.722	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1084586	9.379	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	1605557	9.160	ppbv	99
34) 2-Butanone	5.25	43	1578317	8.634	ppbv	99
35) Carbon Tetrachloride	7.05	117	1692926	8.690	ppbv	99
36) Benzene	6.92	78	1925468	8.973	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1379102	8.623	ppbv	100
38) Trichloroethene	7.87	130	758282	8.806	ppbv	96
39) 1,2-Dichloropropane	7.65	63	811647	8.784	ppbv	99
40) 1,4-Dioxane	7.87	88	275007	8.469	ppbv	77
41) Tetrahydrofuran	6.07	42	923141	9.099	ppbv	99
42) Bromodichloromethane	7.83	83	1773308	9.053	ppbv	99
43) Methyl Methacrylate	8.05	69	828860	9.339	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3440480	8.662	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1135971	10.505	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1267252	10.201	ppbv	96
47) 1,1,2-Trichloroethane	9.52	97	816219	8.721	ppbv	95
48) Dibromochloromethane	10.36	129	1470897	9.580	ppbv	99
49) Bromoform	13.10	173	1321327	9.712	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2351795	8.986	ppbv	98
51) 2-Hexanone	10.18	43	2009041	9.365	ppbv #	100
52) Tetrachloroethene	11.28	164	727074	8.644	ppbv	96
53) Toluene	9.85	91	2233949	9.433	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1252907	9.032	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.18	131	977088	8.703	ppbv #	61
57) Chlorobenzene	12.20	112	1690243	8.317	ppbv #	96
58) Ethyl Benzene	12.77	91	3062088	8.992	ppbv	100
59) m/p-Xylene	13.06	91	5068043m	17.177	ppbv	
60) o-Xylene	13.75	91	2554445	8.694	ppbv	99
61) Styrene	13.59	104	1933563	9.348	ppbv	99
62) Isopropylbenzene	14.73	105	3338051	8.607	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1764332	7.473	ppbv	100
64) n-propylbenzene	15.63	120	870673	8.748	ppbv	100
65) tert-Butylbenzene	16.82	119	2925861	8.512	ppbv	100
66) Benzyl Chloride	17.06	91	1401096	10.320	ppbv	99
67) sec-Butylbenzene	17.36	105	4069857	8.413	ppbv	99
69) p-Isopropyltoluene	17.72	119	3386355	8.587	ppbv	99
70) n-Butylbenzene	18.62	91	3591430	8.370	ppbv	98
71) 2-Chlorotoluene	15.52	91	2612938	8.689	ppbv	100
72) 4-Ethyltoluene	15.91	105	2922577	8.849	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2808843	8.584	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2855297	8.367	ppbv	98
75) 1,3-Dichlorobenzene	17.07	146	1627030	7.941	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1645753	8.224	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1581995	7.876	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1456359	8.765	ppbv	99
79) Naphthalene	22.29	128	2761845	11.080	ppbv	99
80) Naphthalene,2-methyl-	25.04	142	1334362	18.519	ppbv	95
81) 1,2,4-Trichlorobenzene	22.02	180	1619120	9.945	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

